

Product datasheet for MR222981

Ybx2 (NM_016875) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ybx2 (NM_016875) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ybx2
Synonyms:	Msy2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222981 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGAGGGCGGAGGCGTCAGTGGTGGCGACAGCGGCCCGCGGGACGGTGCCCGGACGGCGGCGG
GGGTGGTAGCGGTGGTACCGGTGCCCGGGAGAGCCGAGAAAGCAGGCGGGGGCGGGCGGCGG
GGGCGGAGCCGCCTCTGGCCCCGCTGCTGGGACCCCTCAGCGCCGGCCCTCGCACCCCTGGCAACCAG
GCGACGGCGGCCCTCGGGACTCCCGCGCCCCCGCCGGAGTCAGGCGGACAAGCCGGTGTGGCAATCC
AAGTCCTGGGCACAGTCAAATGGTTCACGTCCGGAATGGTACGGATTCATCAACAGGAATGACACCAA
GGAGGATGCTTTGTTACCAGACAGCTATTAAGAGAAACAACCCAGGAAGTTTCTGCGGAGTGTGGGA
GATGGGGAGACTGTGGAGTTGATGTCGTGGAAGGAGAGAAGGGTGCAGAAGCTGCTAATGTCACTGGGC
CTGGGGGGGTACCACTGAAGGGCAGCCGCTATGCCCTAATCGACGTAGGTTCCGGAGGTTCACTTCTCG
GCCTCGCCAGCTGCCCCACCACCTATGGTGGCAGAGGCTCCCTCAGGTGGGACAGAACCTGGCAGCGAA
GGGAGCGGGCAGAGGACTCGGGCAGCGACCTAGACGACGGCGCCACCACCTTCTTCTATCGAAGGC
GGTTTGTGCGAGGCCCTCGGCCCCCAACCAGCAACAGCCCATAGAGGGTCTGATGGGGTAGAACCCAA
GGAGACAGCACCATTTGGAGGGTATCAACAGCAGGGAGATGAACGGGTGCCCCACCAGATTCCGGCCC
AGGTACCGAAGGCCTTTCCGCCAGGCCACCCCAACAGCTACCACAGAAGGTGGGGATGGAGAGACCA
AGCCAGCCAAGGCCCACTGATGGCTCCCGGCTGAGCCCGAGCGTCCACGAAACCGTCCCTACTTCCA
GCGGCGTCGCGCAGCAGCCCCCTGGCCCCGGCAGCCTATAGCCGAGAGACCTCCGCGCCTATCAACAGT
GGGACCCCCACCACCATACTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR222981 protein sequence
 Red=Cloning site Green=Tags(s)

MSEAEASVVATAAPAATVPATAAGVVAVVVPVAPGEPQKAGGGAGGGGGAASGPAAGTPSAPGPRTPGNQ
 ATAASGTPAPPARSQADKPVLAIQVLGTVKWFNVRNGYGFINRNDTKEDVFVHQTAIKRNNPRKFLRSVG
 DGETVEFDVVEGEKGAEAAANVTGGGVPVKGSRYAPNRRRFRFFIPRPRPAAPPPMVAEAPSGGTEPGSE
 GERAEDSGQRPRRRRPPFFYRRRFVRGPRPPNQQPIEGSDGVEPKETAPLEGDQQQGDERVPPPRFRP
 RYRRPFRPRPPQPTTEGGDGETKPSQGPDTGSRPEPQRPRNRPYFQRRRQPPGPRQPIAAETSAPINS
 GDPPTTILE

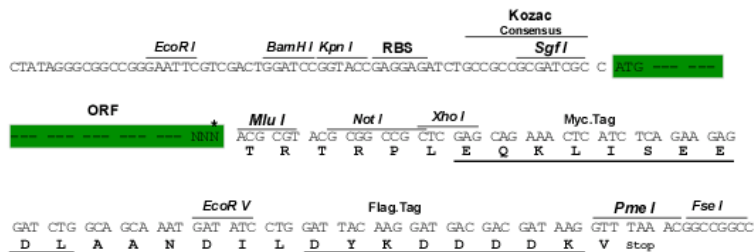
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_016875

ORF Size: 1080 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_016875.3](#)

RefSeq Size: 1564 bp

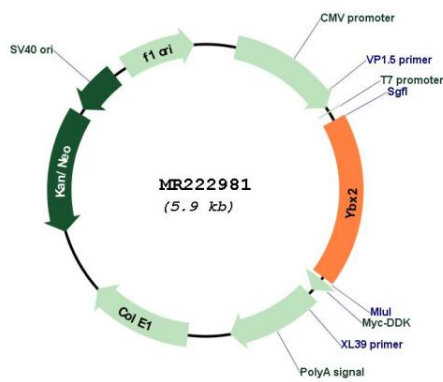
RefSeq ORF: 1080 bp

Locus ID: 53422

Cytogenetics: 11 B3

MW: 38.1 kDa

Product images:



Circular map for MR222981